



Energy Sector Impacts to the Texas Transportation System

John A. Barton, P.E.

Deputy Executive Director

Texas Department of Transportation



Task Force Entities

- Texas Department of Transportation
- Texas Department of Public Safety
- Texas Commission on Environmental Quality
- Railroad Commission of Texas
- Texas Department of Motor Vehicles
- Counties
- Texas Oil and Gas Association
- Texas Farm Bureau
- America's Natural Gas Alliance
- Association of Energy Service Companies
- The Wind Coalition
- Texas Independent Producers & Royalty Owners Association
- Texas Motor Transportation Association



April 13 Executive Task Force Meeting



Responsibilities of this Task Force

- Coordination of efforts
- Support of agency activities
- Sharing of information
- Identify opportunities for innovation
- Identify opportunities for partnerships
- Identify potential solutions to common issues



Task Force Focus Areas

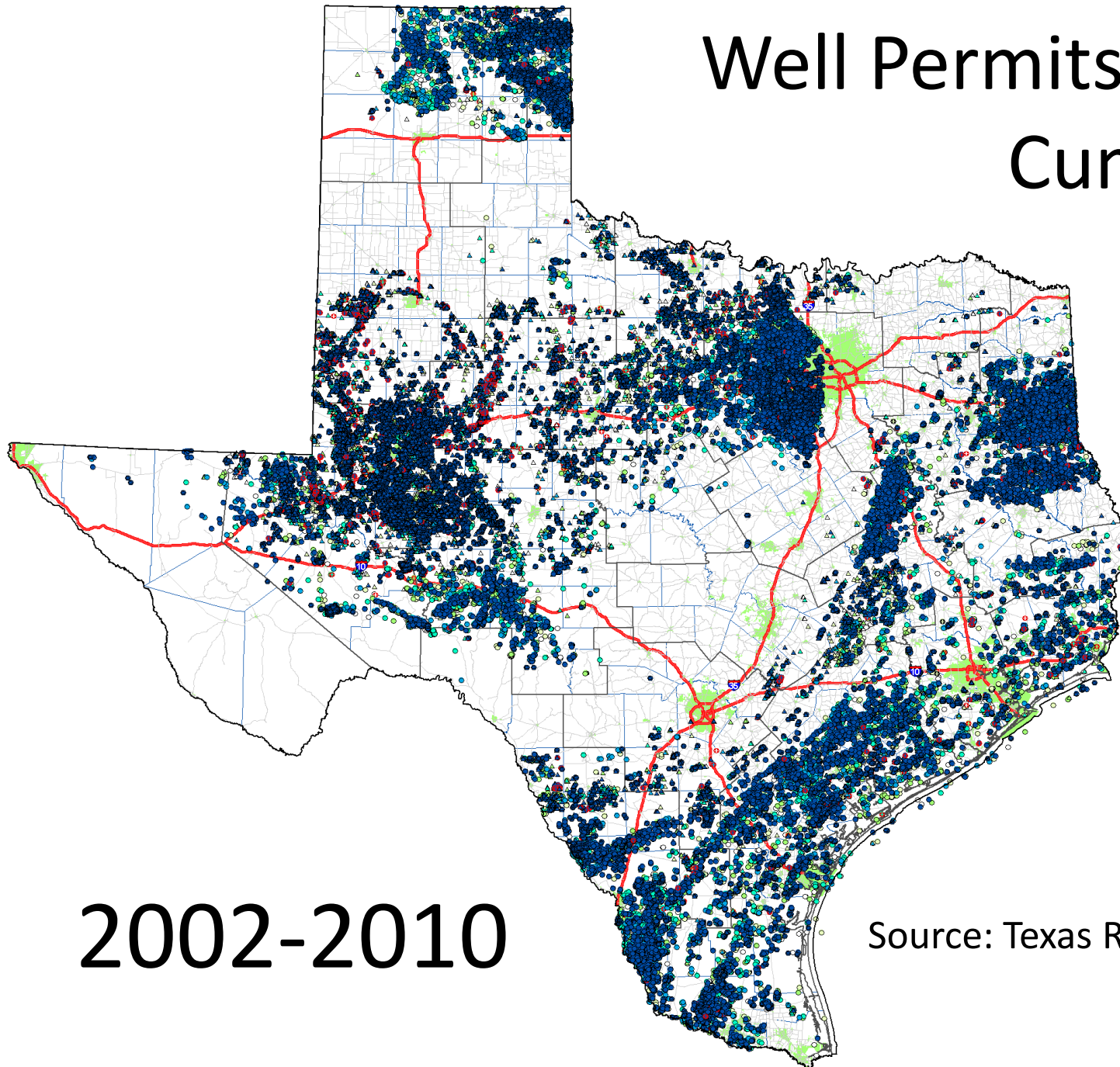
- Safety
- Public Awareness / Involvement
- Innovation
- Prevention
- Financial Solutions



Energy Sector Activities

- Oil
- Natural Gas
- Wind
- Coal
- Bio-Fuel
- Biomass
- Geothermal
- Solar

Well Permits by Year Cumulative



2002-2010

Source: Texas Railroad Commission

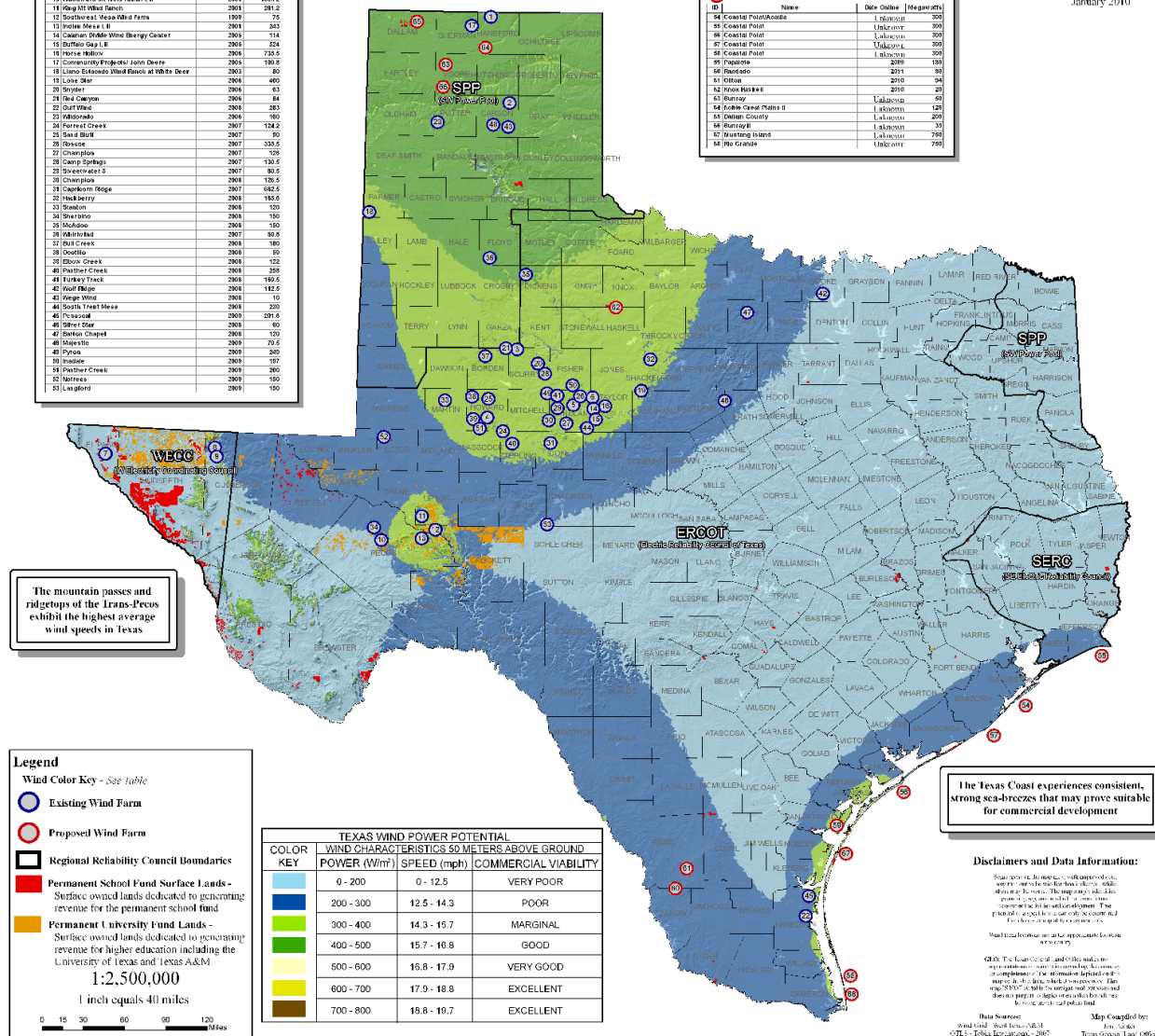


Jerry Patterson, Commissioner
Texas General Land Office
January 2010

Texas Wind Farms

10	Existing Wind Farms		
	Name	Date Online	Megawatts
1	Great Plains Windpower	2003	3
2	Wible Dam	2003	70
3	Wible #1 Wind Farm at Okfuska	2003	900
4	Big Spring	1969	34.3
5	Dispersed	2003	288.3
6	Franklin	1969	150
7	Hawes Mt. Wind Ranch	2003	1.32
8	Harney Hills Wind Project	1965	30.9
9	Deane Mountain Wind Farm	1969	28.5
10	Hoodwood #1 Wind Ranch II	2003	103.72
11	Walt Hill Wind Ranch	2003	281.2
12	Southwest Vesta Mill Farm	1976	75
13	Indiana Area II	1969	254
14	Indiana Area I Wind Energy Center	1969	214
15	Driftless Gap I	2003	242
16	Windsong	2003	72.5
17	Community Projects/John Deere	2003	190.9
18	Liano Edwards Wind Ranch at White Deer	2003	80
19	Windsong	2003	400
20	Snyder	2003	63
21	Red Canyon	2003	84
22	Wind Song	2003	283
23	Windstar	2003	160
24	Windstar	2007	124.2
25	Sand Bluff	2007	60
26	Roscoe	2007	335.6
27	Cherokee	2007	135
28	Great Springs	2007	130
29	Cherokee Ridge	2007	80
30	Cherokee	2006	170.5
31	Capitokn #2	2007	64.2
32	Heckberry	2006	158.6
33	Stratton	2006	170
34	Shenando	2006	190
35	Shenando	2006	190
36	Windstar	2007	50.9
37	Drift Creek	2006	180
38	Goodlife	2006	50
39	Elroy Creek	2006	152
40	Decker Creek	2006	258
41	Turnkey Field	2006	180
42	Wolf Ridge	2006	142.6
43	Great Wind	2006	100
44	South Trent Mesa	2006	200
45	Yonahval	2000	291.6
46	Silver Star	2006	79.5
47	Barlow Canyon	2006	120
48	Westgate	2006	20
49	Pyrite	2006	240
50	Inside	2006	197
51	Quadrant Creek	2006	197
52	Norrees	2009	150
53	Luxford	2009	150

ID	Name	Date Online	Integration
54	Coastal Palms/Kanaka	1/1/2000	300
55	Coastal Palms	Unk/unk	300
56	Coastal Palms	Unk/unk	300
57	Coastal Palms	Unk/unk	300
58	Coastal Palms	1/1/2000	300
59	Papalina	2000	180
60	Panadiso	2001	90
61	Otoma	2000	50
62	Forest Hotel	2000	20
63	Burway	Unk/unk	60
64	Indian Canal Plains II	1/1/2000	120
65	Delmar Country	1/1/2000	240
66	Burway	1/1/2000	30
67	Wrestling Island	Unk/unk	750
68	Mo Grande	Unk/unk	750





Center for Transportation Research report conclusions

- Growth in the energy sector contributes to state's economic prosperity, but impacts the service life of existing pavements.
- Adequate funding sources need to be identified to maintain existing infrastructure and to ensure the transportation system can serve the energy sector in the future.



Growth in Energy is Good for Texas

The Impacted Partners Have
Identified Some Concerns That Need
To Be Addressed

Roadway Damage



Traffic Impacts



Increased Traffic/Safety Concerns



ROW Issues





Safety/Environmental Concerns





Bridge Impacts/Restrictions



Immediate Expenditure – Category 1

District	Amount
Corpus Christi	\$10,363,415
Dallas	\$2,462,160
Fort Worth	\$9,640,843
Laredo	\$10,357,710
San Antonio	\$2,601,019
Yoakum	\$4,232,000
TOTAL	\$39,657,147